

Appl. No. 10/625,239
Amdt Dated Oct. 31, 2005
Reply to Office Action of Sep. 30, 2005

AMENDMENTS TO THE CLAIMS

Claim 1 (original): A cleaning machine for cleaning and drying printed circuit board (PCB) supporting trays, the cleaning machine comprising:

a cleaning cistern comprising a main body and a cover covering the main body, the main body comprising a water-supply pipe, a drainpipe, a microwave oven located in a bottom of the cleaning cistern and at least one shelf located above the microwave oven for supporting the supporting trays;

a drying cabinet comprising a frame comprising a plurality of heaters and at least one shelf for supporting the PCB supporting trays; and

a control device controlling a cleaning process and a drying process of the cleaning machine,

wherein when the cover is rotated down to cover the main body the cleaning process starts, and after the cleaning process is completed the supporting trays are transferred to the shelves of the drying cabinet and the drying process starts.

Claim 2 (original): The cleaning machine as claimed in claim 1, wherein a switch is set on the cover, and the cleaning process is started up based on closing of the switch.

Claim 3 (original): The cleaning machine as claimed in claim 1, wherein a sensor is provided on a bottom face of the cover for sensing a level of water in the cleaning cistern, and when the sensor senses that the level of the water has reached a predetermined level the supply of water is switched off.

Claim 4 (original): The cleaning machine as claimed in claim 1, wherein two electromagnetic valves are respectively provided on the water-supply pipe and the drainpipe so as to switch on water supply and draining via the control of the circuit.

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Claim 5 (original): The cleaning machine as claimed in claim 4, wherein a hand valve is provided on the drainpipe, and the hand valve can be opened to allow a user to maintain the cleaning cistern when the power is off.

Claim 6 (original): The cleaning machine as claimed in claim 1, wherein the drying cabinet further comprises an intake fan aligned with the heaters.

Claim 7 (original): The cleaning machine as claimed in claim 6, wherein the drying cabinet further comprises a shield mounted on a top of the frame, and the intake fan is provided in the shield, and the shield defines a plurality of vents.

Claim 8 (original): The cleaning machine as claimed in claim 1, wherein the drying cabinet further comprises an exhauster device provided in a back panel of the frame.

Claim 9 (original): The cleaning machine as claimed in claim 1, wherein an adiabatic net is provided below the heaters in the drying cabinet so as to prevent a user from touching the heaters and getting hurt.

Claim 10 (original): The cleaning machine as claimed in claim 1, wherein two pairs of casters are provided under the cleaning machine so as to facilitate movement the cleaning machine.

Claims 11-16 (canceled)

Claim 17 (original): A cleaning machine for cleaning and drying used printed circuit board supporting trays, comprising:

a cleaning cistern comprising a main body and a cover removably covering the main body, the main body comprising a water-supply pipe, a drainpipe, and a microwave oven located in the cleaning cistern;

a drying cabinet comprising a frame with a plurality of heaters, and at least one

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fan located around an upper portion of the drying cabinet and enclosed in a vented shield; and

an exhaust pipe communicating with an interior of said drying cabinet.

Claim 18 (original): The cleaning machine as claimed in claim 17, wherein said exhaust pipe extends upwardly above both said drying cabinet and said cleaning cistern.